



LED LCD TV User's Manual

Model Number:
LED55C55R120Q

Part No.: RN0355R0101

English

Please register your product at www.rca.com

Please keep your sales receipt and keep the record of the serial number and the date of purchase in order to receive warranty parts and service.

The serial number is located at the back of the TV.

Serial Number / Número de serie de TV

Date of Purchase / Fecha de la compra

Made for Today.
www.rca.com



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Child Safety Guide

CHILD SAFETY:

It Makes A Difference How and Where
You Use Your Flat Panel Display

Congratulations on your purchase!
As you enjoy your new product, please keep these
safety tips in mind:

THE ISSUE

- The home theater entertainment experience is a growing trend and larger flat panel displays are popular purchases. However, flat panel displays are not always supported on the proper stands or installed according to the manufacturer's recommendations.
- Flat panel displays that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests or carts may fall over and cause injury.

THIS MANUFACTURER CARES!

- The consumer electronics industry is committed to making home entertainment enjoyable and safe.

TUNE INTO SAFETY

- One size does NOT fit all. Follow the manufacturer's recommendations for the safe installation and use of your flat panel display.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't allow children to climb on or play with furniture and television sets.
- Don't place flat panel displays on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger than life" flat panel display. Care should be taken to place or install the display where it cannot be pushed, pulled over, or knocked down.
- Care should be taken to route all cords and cables connected to the flat panel display so that they cannot be pulled or grabbed by curious children.

WALL MOUNTING: IF YOU DECIDE TO WALL MOUNT YOUR FLAT PANEL DISPLAY, ALWAYS:

- Use a mount that has been recommended by the display manufacturer and/or listed by an independent laboratory (such as UL, CSA, ETL).
- Follow all instructions supplied by the display and wall mount manufacturers.
- If you have any doubts about your ability to safely install your flat panel display, contact your retailer about professional installation.
- Make sure that the wall where you are mounting the display is appropriate. Some wall mounts are not designed to be mounted to walls with steel studs or old cinder block construction. If you are unsure, contact a professional installer.
- A minimum of two people are required for installation. Flat panel displays can be heavy.

POSSIBLE PROBLEMAS

- La experiencia de entretenimiento de cine en casa es una tendencia creciente y los grandes monitores de pantalla plana son muy populares. Sin embargo, los monitores de pantalla plana no se han instalado siempre en los soportes adecuados o instalado de acuerdo con las recomendaciones de fabricante.
- Los monitores de pantalla plana que se han instalado inadecuadamente en tocadores, estanterías, estantes, escritorios, oradores, baúles o carros se pueden caer y causar el daño corporal.

¡AL FABRICANTE LE IMPORTA!

- La industria electrónica del consumidor está comprometida a hacer el entretenimiento de casa agradable y seguro.

AJUSTAR HASTA SEGURIDAD

- Un tamaño fijo NO es adecuado para todos. Siga las recomendaciones de fabricante para la instalación segura y el uso de su monitor de pantalla plana.
- Lea con cuidado y entienda todas las instrucciones adjuntas para el uso propio de este producto.
- No permita a los niños a subir al equipo o jugar con muebles y televisor.
- No cloque los monitores de pantalla plana en el mueble que se puede usar fácilmente como escalón, así como una cómoda.

- Recuerde que los niños pueden llegar a ser excitados al ver una programación, especialmente en el monitor de pantalla plana "más grande que vida". El cuidado se tiene que empezar por poner o instalar el monitor donde no se puede empujar, detener al costado del camino ni echar abajo.
- El cuidado se tiene que empezar por encaminar todos los cordones y cables conectados al monitor de pantalla plana para que no se puedan tirar o agarrar por los niños curiosos.

MONTAJE DE PARED: SI USTED DECIDE A MONTAR SU MONITOR DE PANTALLA PLANA A LA PARED, SIEMPRE:

- Use una montura que se ha recomendado por el fabricante de monitor y/o listado por un laboratorio independiente (como UL, CSA, ETL).
- Siga todas las instrucciones ofrecidas por el fabricante de monitor y montaje de pared.
- Si usted tiene cualquier duda sobre su habilidad para instalar seguramente su monitor de pantalla plana, contacte a su distribuidor para la instalación profesional.
- Compruebe que la pared adonde se está montando el monitor es adecuada. Algunos montajes de la pared no son diseñados para ser montados a paredes con tachones de acero o la vieja construcción de bloque de ceniza. Si usted está inseguro, contacte a un instalador profesional.
- Por lo menos dos personas se requieren para la instalación. Los monitores de pantalla plana pueden ser pesados.

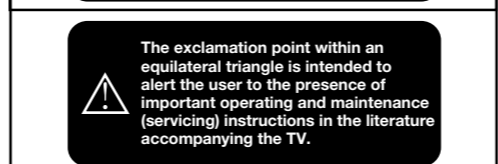
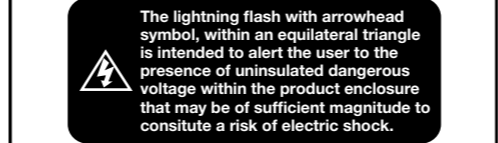


www.CE.org/safety

Caution and Warning



Caution: To reduce the risk of electric shock, do not remove cover or back. No user-serviceable parts inside. Refer servicing to qualified service personnel.



Child Safety Guide

SEGURIDAD DE NIÑOS:

El Cómo y Dónde Usted Usar Su Monitor de Pantalla Plana Marca La Diferencia

¡Muchas gracias por su uso del presente producto!
Cuando usted disfruta de su nuevo producto, por favor tenga en cuenta los consejos de seguridad:

**WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

**CAUTION:
CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE WITH THE FCC RULES COULD AVOID THE USERS AUTHORITY TO OPERATE THIS EQUIPMENT.**

FCC Notice

FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Safety Precautions

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water. For example, do not use near a laundry tub, in a wet basement, or near a swimming pool, and the like.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Slots and openings in the cabinet back or bottom are provided for ventilation, to ensure reliable operation of the TV and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the TV on a bed, sofa, rug, or other similar surface.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. A TV and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the TV and cart combination to overturn.
- Unplug this apparatus during lightning storms or when unused for long periods of time. For added protection for this TV receiver during a lightning storm, or when it is left unused for long periods of time, unplug it from the wall outlet and disconnect antenna or cable system. This will prevent damage to the TV due to lightning and power line surges.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such

as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

- This TV should be operated only from the type of power supply indicated on the rating label. If customer is not sure the type of power supply in your home, consult your appliance dealer or local power company. For TV remote control battery power, refer to the operating instructions.
- The TV set shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the TV set.
- Never push objects of any kind into this TV through openings as they may touch dangerous voltage or other electrical parts that could result in fire or electric shock. Never spill liquid of any kind into the TV.
- Unplug the TV from the wall outlet before cleaning. Do not use liquid or aero cleaners. Use a damp cloth for cleaning.
- This TV should never be placed near or over a radiator or heat resource. This TV should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- Do not place this TV on an unstable cart, stand, tripod, bracket, or table. The TV may fall, causing serious injury to someone, and serious damage to the appliance.
- Do not attempt to service this TV by yourself because opening or removing covers may expose you to dangerous high voltage or other hazards. Refer all servicing to qualified service personnel.
- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device must accept any interference received, including interference that may cause undesired operation.
- WARNING: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- To reduce the risk of electric shock, the grounding of center pin of plug must be maintained.
- If an outside antenna or cable system is connected to the TV, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA NO.70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrodes. (See figure A)

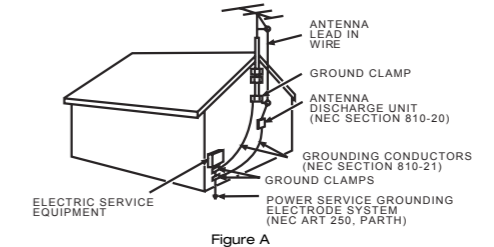


Figure A

ELECTRIC SERVICE EQUIPMENT

ANTENNA LEAD-IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

Figure B

Step one: Insert the M6 mounting screws into the upper two wall mounting screw holes and fasten them (Figure B).
Step two: Insert anchors to wall and connect the bolts and anchors with ropes or chains (Figure C).

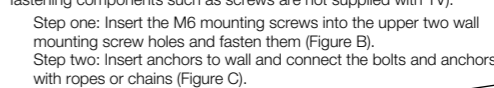


Figure C

Always unplug the AC cord first when installing/removing the stand.

Preparation for Your New TV

Before Turning On TV

Check Accessories

Check the accessories that are packed with your TV.

REMOTE CONTROL PART NO.: RE20QP80	AAA BATTERIES AAA AAA	TV STAND SCREWS SCREWS M4 x 12mm, 6pcs Part# RS01TM412H SCREWS M4 x 14mm, 4pcs Part# RS01PWA414HT
TV STAND BASE	TV STAND NECK	DOCUMENTS USER'S GUIDE QUICK START GUIDE PATENT CARD

Setup TV Table Stand

Please refer to TV Stand Installation guide in next page to carry out stand installing.

Select TV Location

Select a flat, stable table to place your TV set. Please follow the Safety instructions when placing the TV.

Connection and Using

After placing your TV properly, you can connect the TV with power supply and cable components. For further information, see page 4 to page 5.

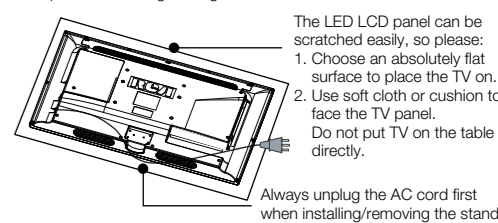
Note: Above accessories are subject to change without notice.

TV Stand Installation

TV LED55C55R120Q is packaged with the TV stand separated from the cabinet. To setup the TV table stand, please carry out the installation according to the instructions below.

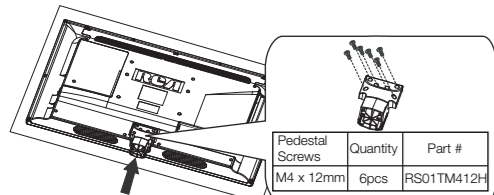
Step One

Place the TV faced down on a soft cloth or cushion to prevent the LED LCD panel from being damaged.

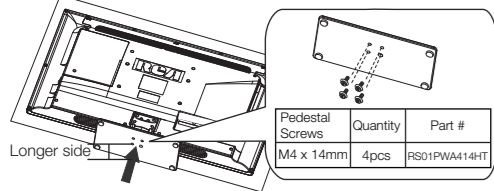


Step Two

Take the neck. Please align the screw holes of the neck and the TV, and then insert the 6 screws into the 6 holes on the neck and tighten them.



Step Three
Take the base. Please align four holes of the base and four screwholes of the neck, insert the base to the neck, and then insert the 4 screws and tighten them.



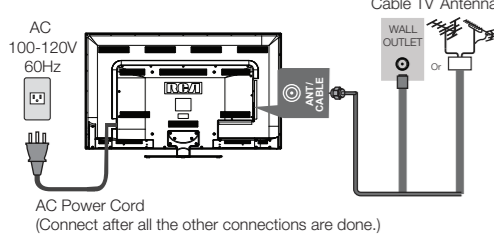
Please take note of the base direction:
The bottom view of the TV (Front cabinet faces down)

TV Signal Connection

The first step in connecting your TV is obtaining the signal. Your TV LED55C55R120Q has a back panel, which allows you to receive analog and/or digital television channels via ANT/CABLE jack. Before connecting your TV, determine using an antenna or a cable service to obtain the signal.

- A. Antenna**
Connect the antenna to TV via coaxial cable on ANT/CABLE jack of the back panel. You are ready to receive air local digital and analog channels.
- B. Cable TV service**
Connect the cable TV wall jack to TV via coaxial cable on ANT/CABLE jack of the back panel. You are ready to receive off-air local digital and analog channels.
- C. Set-Top Box**
If you use a set-top box, you may need to call your cable company or satellite service provider, which use a special connection, please refer to the user's guide of set-top box.

Note: Do not plug the AC cord until you have accomplished all the connections.



Cable Connections

Choose Your Connections
TV LED55C55R120Q supports various connections to other devices (such as DVD, VCR, Set-top box, etc.). Please follow the table to choose the cables which adapt to your device.

Jacks	Cables	Further information
	Video/Audio cable	See the below
	Audio Cable COMPONENT video cable	Go to page 5
	HDMI-DVI cable HDMI cable	Go to page 5

Note: HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC

Caution: Unplug the AC cord when you connect other devices to TV.

Side Panel Connections

Connecting AV Composite device (Good Video Quality)

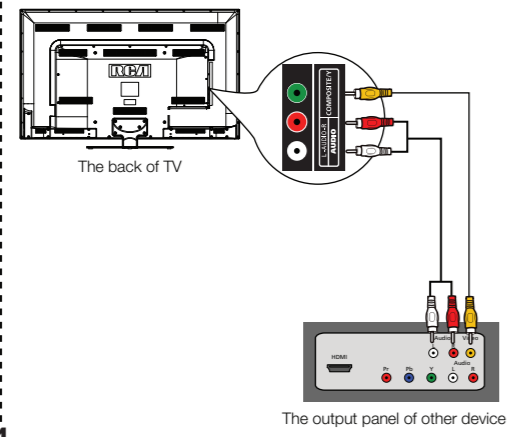
Composite connector will be shared with Component Y connector.
To connect a composite AV device, such as a DVD player, follow these steps:

- Connect the COMPOSITE jack on the side of TV to the video output jacks of device via video cable (yellow).
- Connect the L-AUDIO-R jacks on the side of TV to the audio output jacks of device via audio cable. Notice the left channel jack and plugs are white and the right channel jack and plugs are red.

Note: AV signal belongs to composite video. This kind of video signal has regular good display quality.

Composite Video Connection

The picture below is an example of a connection using the composite video jack.



Connecting YPbPr Component device (Better Video Quality)

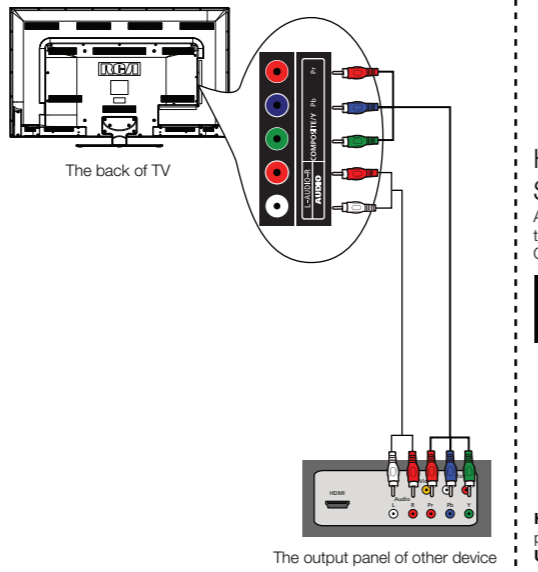
To connect a component device, such as a DVD player, follow these steps:

- Connect the COMPONENT IN Y/Pb/Pr jack on the side of TV to the video output jacks of device via video cable (green, blue and red).
- Connect the L-AUDIO-R jacks on the side of TV to the audio output jacks of device via audio cable. Notice the left channel jack and plugs are white and the right channel jack and plugs are red.

Note: Y/Pb/Pr jacks are component video. This kind of video signal has better display quality.

Component Video Connection

The picture below is an example of a connection using the component video jack.



Connecting HDMI device (Best Video Quality)

To connect a HDMI device, such as a DVD player, please Connect the HDMI1/DVI, 2 jack on the side of TV to the output jacks of device via HDMI cable.

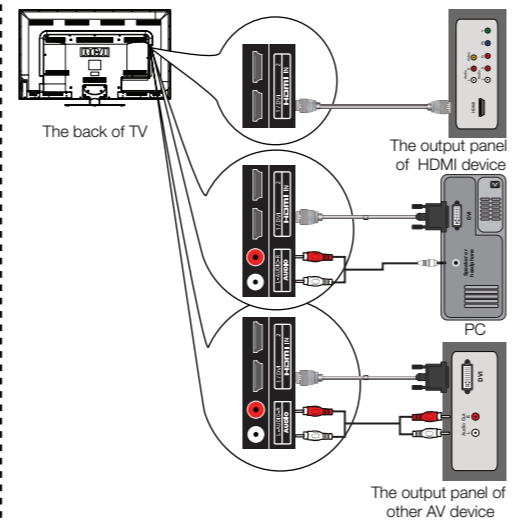
To connect a DVI device, via DVI port of PC or Device and HDMI jack of TV:

- Connect the HDMI1/DVI jack on the side of TV to the DVI port of PC via HDMI-DVI cable.
- Connect the L-AUDIO-R jack on the side of TV to the audio output jack of computer with audio cable (dual-channel RCA jacks to 3.5mm stereo jack or the L-AUDIO-R jack).

Note: 1. HDMI (High-Definition Multimedia Interface) is a compact audio/video interface for transmitting uncompressed digital data. It carries the audio and video signal via the same cable and has the best display quality.
2. HDMI-DVI cable transfers only video signal from DVI port of DVI device to HDMI jack of TV. For audio signal, please connect audio output to L-AUDIO-R jack on TV back panel.

HDMI Connection

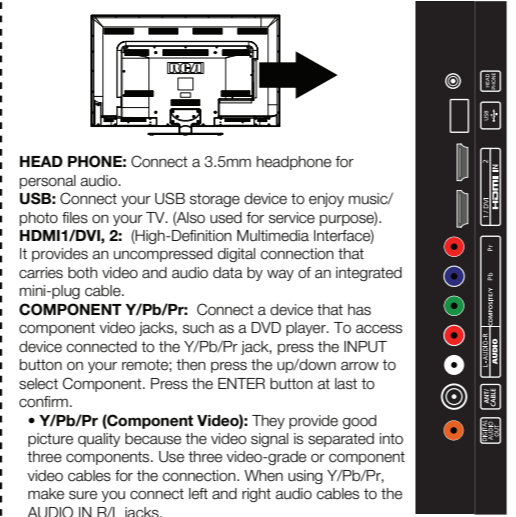
The picture below is an example of a connection using the HDMI video jack.



How to Obtain Various Kinds of Input Sources

After connection is done, press INPUT button on remote control or TV top panel to choose the input source you need. See page 7, Basic Operation of TV.

TV Jacks Explanation

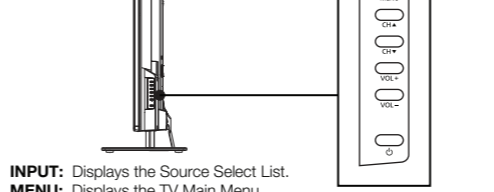


HEAD PHONE: Connect a 3.5mm headphone for personal audio.
USB: Connect your USB storage device to enjoy music/photo files on your TV. (Also used for service purpose).
HDMI1/DVI, 2: (High-Definition Multimedia Interface) It provides an uncompressed digital connection that carries both video and audio data by way of an integrated mini-plug cable.
COMPONENT Y/Pb/Pr: Connect a device that has component video jacks, such as a DVD player. To access device connected to the Y/Pb/Pr jack, press the INPUT button on your remote; then press the up/down arrow to select Component. Press the ENTER button at last to confirm.
• **Y/Pb/Pr (Component Video):** They provide good picture quality because the video signal is separated into three components. Use three video-grade or component video cables for the connection. When using Y/Pb/Pr, make sure you connect left and right audio cables to the AUDIO IN R/L jacks.
L-AUDIO-R, COMPOSITE: Connect an AV device that has composite video jacks, such as a VCR or a DVD player. To access device connected to these jacks, press the INPUT button on your remote; then press the up/down arrow to select AV. Press the ENTER button at last to confirm.
• **AUDIO IN L:** Left audio channel connection. The left audio connector is usually white. For mono audio sources, be sure to use the left AUDIO INPUT.
• **AUDIO IN R:** Right audio channel connection. The right audio connector is usually red.
ANT/CABLE: Connect to receive the signal from your antenna or cable via coaxial cable.
Digital Audio out: Connect a coaxial cable for digital audio output.

Keypad and Front Panel

Keypad Buttons

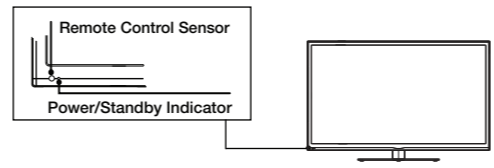
If you cannot locate your remote, you can use the keypad buttons on your TV to operate many TV features.



INPUT: Displays the Source Select List.
MENU: Displays the TV Main Menu.
CH▲ or CH▼: Scans up through the channel list. In the TV menu system, it acts like the up arrow on the remote control and can be used to select menu options.
CH▼: Scans down through the channel list. In the TV menu system, it acts like the down arrow on the remote control and can be used to select menu options.
VOL+: Increases the volume. In the TV menu system, it acts like the right arrow on the remote control and can be used to select menu options.
VOL-: Decreases the volume. In the TV menu system, it acts like the left arrow on the remote control and can be used to select menu options.
POWER (⏻): Turns the TV on and off.

Front Panel

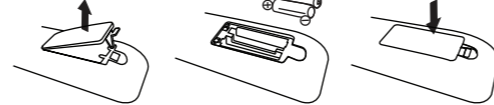
About remote control working distance and angle, see the right side.
Power/Standby Indicator: Light up in red when the TV is in standby mode. Light out when the TV is on.
Remote Control Sensor: Remote control IR sensor, which receives infrared ray sent by remote control.



Remote Control Instructions

Inserting Batteries in the Remote

- Remove the cover of battery cabin on the back of the remote control by lifting the cover.
- Insert two AAA batteries, making sure the polarities (+ and -) are aligned correctly.
- Place the cover back.



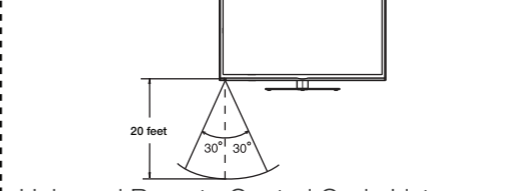
If the remote control does not work, check these points:

- Are the polarities (+, -) correct?
- Are the batteries worn out?
- Is there an AC power failure?
- Is the power cord plugged in?
- Is there any interference or block near the remote control sensor?

CAUTION:
• Used batteries should be recycled.
• Keep out of children's reach.
• DO NOT use new and old batteries together.
• Change both the batteries at the same time.
• When not using the remote control for a long time, remove the batteries from the unit.

Remote Control Reception Angle

Use your remote control within the distance and angle range shown below.



Universal Remote Control Code List

For Universal Remote Control brands listed below, please use accompanying codes and refer to your Universal Remote Control User Manual for basic Instruction for changing TV code to operate the TV model.

- Codes for DIRECTV: 0178, 10178
- Codes for Time Warner Cable: 0178, 10178
- Codes for Cox Communications: 0178
- Codes for Comcast: 10178
- Codes for Dish Network: 627
- Codes for Fios Verizon: 0205, 0057, 0493, 0775

Learning about Remote Control

Remote Control Buttons

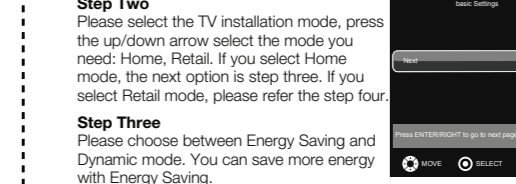
MUTE (⏻): Reduces the TV volume to its minimum level. Press again to restore the volume.
POWER (⏻): Turns the TV on or off.
CH.LIST: Displays the channel list.
FAV.: Adds the current channel to your favorite list, or erases the current channel from your favorite list (if this channel is a favorite channel already).
FAV.+ or FAV.-: Scans up or down through the current favorite channel list.
Numeric Buttons: Use these buttons to enter numbers.
“—”: To enter a digital channel with a sub-channel, enter the main channel; then, press this button to enter the sub-channel and press ENTER.
Recall (⏻): Returns to the previous channel.
EPG: Shows Electronic Program Guide (see page 8).
INPUT: Accesses the available input channels (TV, AV, Component, HDMI 1/2, Media). Use the arrows to highlight options, and press ENTER to select.
Arrows (▲/▶/▼/◀): Uses the four arrows to highlight different items in the TV menu or change the value. The up/down arrow can also work as CH~/CH~ button, and the left/right arrow can also work as VOL~/VOL+ button.
ENTER: Enter and confirm button.
MENU: Accesses the Main Menu, or return to the upper level of a sub-menu.
FREIZE: Freeze the current screen frame, press again to return to normal.
DISPLAY: Displays the Channel Bar (see page 7).
EXIT: Exits the current menu or function.
VOL+ or VOL-: Increases or decreases the TV

volume.
CH▲ or CH▼: Scans up or down through the current channel list. Press once to change the channel up or down; press and hold to continue changing channels.
PICTURE: Switches between the preset picture mode (see page 8).
SOUND: Switches between the preset sound mode (see page 8).
SLEEP: Selects the sleep timer, after which the TV will shut off automatically.
ASPECT: Switches between the preset screen size mode (see page 8).
CC: Selects the closed caption.
MTS: Selects the multi-channel television sound.

NOTE: The keys not listed are for DVD control, they are not available for this TV model.

Initial Setup

If it is the first time you turn on your TV, or you have done Clear Channel List option (see page 10), the initial setup menu appears automatically.



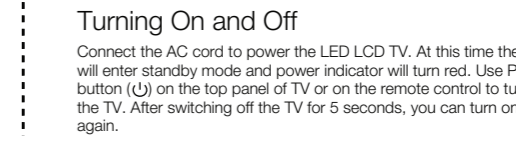
Step One
Please select Menu Language, press the up/down arrow select the language you need. Available languages: English, Spanish and French.

Step Two
Please select the TV installation mode, press the up/down arrow select the mode you need: Home, Retail. If you select Home mode, the next option is step three. If you select Retail mode, please refer the step four.

Step Three
Please choose between Energy Saving and Dynamic mode. You can save more energy with Energy Saving.

Step Four
To choose your TV tuner signal type, press the up/down arrow select the signal type: Air, Cable.
Note: please select TV signal type according to the antenna or cable closed circuit TV you use.

Step Five
If you accomplish the initial setup, the TV will search channels automatically.



Choosing TV Channel

Tuning To Analog Channels
An analog channel has a channel number beginning with "A". Input the digital number with numeric buttons directly and press ENTER button to confirm.
For example, to watch analog channel "A51", press "5", "1", "ENTER" on remote control in sequence.
Note: Although there is no analog TV signal available in America, we reserve ATV functions for some expensible use.

Tuning To Digital Channels
A digital channel has a channel number beginning with "D". Input the main digital number with numeric buttons directly, then press "—" button on remote control, and input the sub number at last.
For example, to watch analog channel "D31-1", press "3", "1", "—", "1", "ENTER" on remote control in sequence.

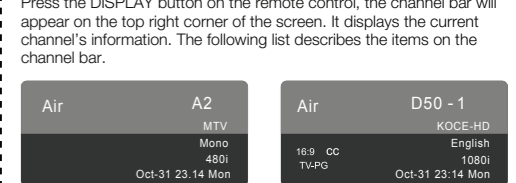
Changing Channels Directly
You can use CH▲ button to increase channel number and CH▼ button to decrease channel number. When no OSD (On Screen Display) is used, the up/down arrows can also work as CH▲/CH▼ buttons.

Selecting Input Source

Source Select	
TV	Press INPUT button on remote control to display Source Select list.
AV	Use up/down arrows to highlight the source you need and press ENTER to confirm.
Component	
HDMI 1	
HDMI 2	
Media	

Channel Bar

Press the DISPLAY button on the remote control, the channel bar will appear on the top right corner of the screen. It displays the current channel's information. The following list describes the items on the channel bar.



ATV
A2/D50-1
If the channel is analog, A is displayed. If it's a digital channel, D is displayed. For example, in the pictures above, A2 is an analog channel, and D50-1 is a digital channel (-1 is a sub-channel number).

MTV/KOCE-HD Mono/English
Displays the channel label. Displays whether the current channel is being broadcasted in stereo or mono. If the current channel is digital, this space will be SAP (Second Audio Program) language.

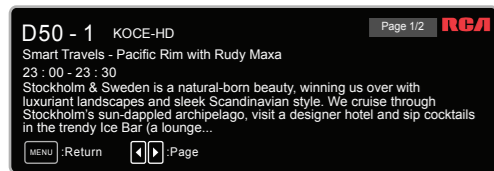
480i/1080i 16:9/CC/TV-PG
Displays the signal resolution. Displays the screen aspect ratio, closed caption and TV rating level of the current program or channel. These are only available for digital channels.

Oct-31 23:14 Mon
Displays current date and time.

Adjusting Volume
Press the VOL+/VOL- button on the remote control to adjust the volume. If you want to switch sound off, press MUTE (⏻). When OSD (On Screen Display) is not used, the arrows left/right can also work as VOL~/VOL+ buttons.

EPG (Electronic Program Guide)

Press EPG button on the remote control, the electronic program guide will appear in the center of screen. The electronic program guide gives the TV program playing project. You can use left/right arrows to switch pages.



OSD Menu Operations

Adjust the OSD Screen

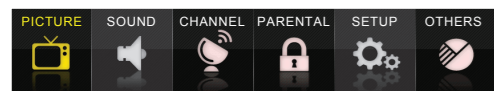
The OSD (On Screen Display) menu enables you to approach to the TV functions.

To use OSD menu system, press MENU button on remote control, then use left/right arrow to highlight an option from PICTURE, SOUND, CHANNEL, PARENTAL, SETUP or OTHERS and press ENTER/down button.

Press the up and down arrow to move to a different option within each menu. If necessary, press ENTER or right arrow to display the choices of the option you've highlighted. If available, use the text at the bottom of each screen for help. To return to the previous menu, press the MENU button.

To exit the OSD menu:

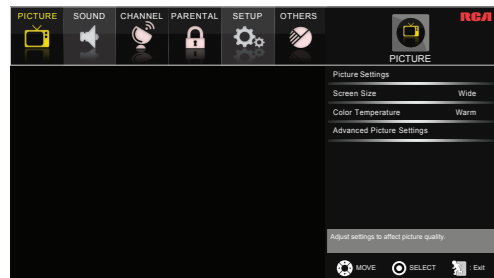
- Press the EXIT button. The menu will clear from the screen.
- Press the MENU button repeatedly until the menus disappear.



Picture Menu

The Picture Menu contains menus and controls to configure the way the picture appears. The Picture Menu options apply to the video for the main TV and VIDEO INPUT selections. All picture options can be applied to each input.

Press MENU on the remote. Select Picture from the Main menu. Press the ENTER/down button to proceed to PICTURE menu.



Use up/down to choose the function you need, press ENTER or right arrow to adjust or enter a sub-menu. The sub-menu image and explanation are shown below.

If available, use the text at the bottom of each screen for help.

Picture Settings

Picture Mode: Choose the preset visual mode of your TV: Standard, Movie, User, Dynamic, Power Saving. (Only in User mode you can adjust Brightness, Contrast, Color, Tint and Sharpness. Changes to Power Saving mode can decrease the power consumption.)

- Brightness: Adjust the brightness of picture.
- Contrast: Adjust the contrast of color.
- Color: Adjust the richness of color.
- Tint: Adjust the balance between red and green level (only available in NTSC signal).
- Sharpness: Adjust the sharpness level of picture.

Screen Size

Screen Size: Select a screen aspect ratio. (Available ratio: Wide, Cinema, Zoom, and Normal.) Please choose the ratio that applies to your video signal format best.

Color Temperature

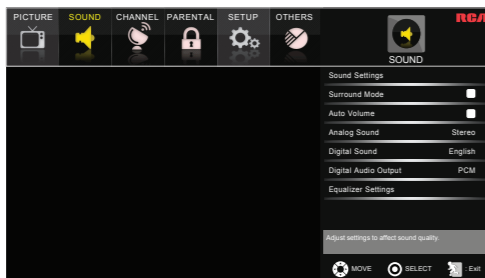
This option allows you to select one of three automatic color adjustments: Cool for a bluer palette of picture colors; Normal or Warm for a redder palette of color.

Advanced Picture Settings

- Dynamic Contrast: Set dynamic contrast Off/low/Medium/High.
 - Film Mode: Set film mode on/off.
 - Noise Reduction: Set noise reduction as Off/low/Medium/High.
 - MPEG Noise Reduction: Set MPEG noise reduction as Off/low/Medium/High.
- Note: Noise reduction helps to reduce the picture "static" or any type of interference. This feature is especially useful for providing a clearer picture in weak analog signal conditions. The MPEG Noise Reduction specifically works on video signal with MPEG coding.
- MFC Effect (Motion Flow Compensation Effect)
MFC Effect: Set MFC Effect as Off/Low/Medium/High.
MFC Effect technology removes drag from fast scenes with a lot of movement to provide a smoother picture. Off switches the MFC Effect off, High provides smoother effect, Low provides smooth effect, Medium sets MFC Effect to medium.
 - MFC Demo (Motion Flow Compensation Demo)
Set MFC Demo On/Off. It shows the difference between MFC Effect on and off modes on the screen.

Sound Menu

The Sound Menu lets you adjust audio output. To access the Sound Menu, press MENU on the remote, and then select SOUND from the Main Menu. Press ENTER/down button to proceed to SOUND menu.



Use up/down to choose the function you need, press ENTER or right arrow to adjust or enter a sub-menu. Thesub-menu image and explanation are shown below.

Sound Settings

- Sound Mode: Choose the preset sound mode of your TV: Standard, Soft, User, Dynamic. Only in User mode you can adjust Bass, Treble, Balance.
- Bass: Adjust the bass component of TV sound.
- Treble: Adjust the treble component of TV sound.
- Balance: Adjust the balance between the left and right channel.

Surround Mode

Creates a 3D sound surround from standard stereo material, with deep and rich enhancement.

Auto Volume

Set auto volume control on/off.

Analog Sound

Select analog TV audio sound type: Stereo, Mono or SAP (only available in TV mode).

Digital Sound

Select digital TV audio language type: English, French or Spanish (only available for DTV channel).

Digital Audio Output

Set the audio output type as Off, PCM or Raw. Please set this option according to your power amplifier.

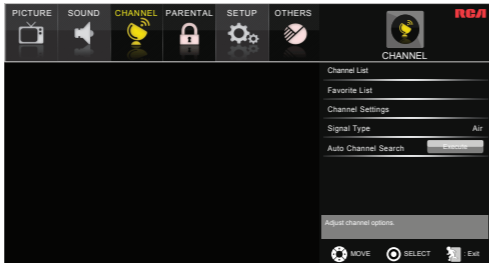
Equalizer Settings

The seven-band graphic equalizer allows you to adjust the audio frequency settings. You can select one of the equalizer presets (Off, Pop, Rock, Jazz) or create your own personal preset (User).

Press the left or right arrow to select the frequency (100Hz, 250Hz, 500Hz, 1KHz, 2KHz, 4KHz, 10KHz) you want to adjust. Use the up or down arrow to adjust.

Channel Menu

The Channel Menu enables you to search, view and edit channels. It is available in TV mode only. Press MENU and choose CHANNEL from the Main menu. Press the ENTER/down button to proceed to CHANNEL menu.



Use up/down to choose the function you need, press ENTER or right arrow to adjust or enter a sub-menu. Thesub-menu image and explanation are shown below.

Channel List

Displays a channel list. It shows the current channels.

Favorite List

Displays a favorite channel list. It shows the current favorite channels.

Channel Settings

Go to channel setting sub-menu.

Channel: Press up/down arrow to switch the channel you want to edit.

Skip: Set if the current channel is skipped.

Favorite: Set if the current channel is the favorite channel.

Label: Enter a channel label to rename the current channel.

Signal Type

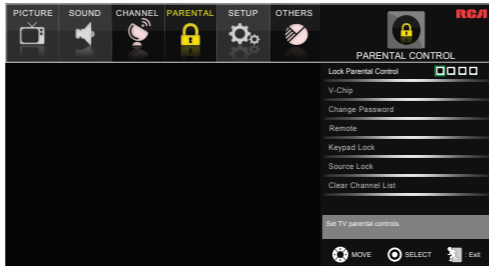
Select your TV signal type: Air or Cable.

Auto Channel Search

Execute an auto channel search (see page 7).

Parental Menu

The Setup Menu enables you to lock program with special content, panel key board and input source. Press MENU and choose PARENTAL from the Main menu. Press the ENTER/down button to proceed to PARENTAL menu.



Lock Parental Control

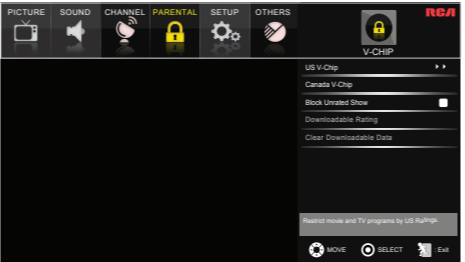
- When the Parental Control Menu is accessed from the Main Menu, you need to enter password to unlock the menu function. Please enter your four-digit password with numeric keys 0-9.

Note: The original password is "0000".

- After unlocking, the items in parental control menu can be used. Use arrow up/down to highlight the function you need and press ENTER or right arrow to use V-chip, Change Password, Keypad Lock and Source Lock, Clear Channel List sub-menu.

V-Chip

Press ENTER or right arrow to enter V-chip sub-menu, the detail as follows:



US V-Chip

Press ENTER or right arrow to enter US V-Chip ratings menu, which contains two sub-menus: Movie Rating and TV rating. See next page for more details.

Movie Rating

Use arrow keys to select the rating level you want to block, press ENTER to lock/unlock the rating level. If you have blocked a lower level rating, the higher ratings will be blocked too.

For example, when PG-13 is blocked, R, NC-17 and X will be blocked at the same time.

TV Rating

Similar with Movie Rating. After adjusting, press MENU to return or press EXIT to exit the menu.

TV Rating Overview

	Age-Based Ratings		Content Themes
TV-MA	Mature Audience Only	D	Sexually Explicit Dialogue
TV-14	Parents Strongly Cautioned	L	Adult Language
TV-PG	Parents Guidance Suggested	S	Sexual Situations
TV-G	General Audience	V	Violence
TV-Y7	Directed to Children 7 Years and Older	FV	Fantasy Violence
TV-Y	All Children		

For more rating explanation, see page 12.

Canada V-Chip

Press ENTER or right arrow to enter US V-Chip ratings menu, which contains two sub-menus: English Rating and French Rating.

English Rating

Press ENTER or right arrow to enter English rating menu. Use arrow keys to select the rating level you want to block, press ENTER to lock/unlock the rating level. If you have blocked a lower level rating, the higher ratings will be blocked too.

For example, when PG is blocked, 14+ and 18+ will be blocked at the same time.

French Rating

Press ENTER or right arrow to enter French rating menu. Similar with English Rating.

Note: These ratings are available only if the broadcaster is sending rating information.

Block Unrated Show

Block all the unrated program.

Downloadable Rating, Clear Downloadable Data

Activate or downloadable rating data. if available.

Change Password

Change the password of parental menu.

Old PIN: Input the old password.

New PIN: Input the new password.

Confirm: Input the new password again to confirm.

Remote

Select your Remote: Off, Remote1 or Remote2. This is for special purpose.

Keypad Lock

Select this option to block or unblock the TV's side panel buttons so that they can't be used.

Source Lock

This option allows you to lock or unlock the input source. The source blocked can not be chosen from input list unless you input the correct parental password.

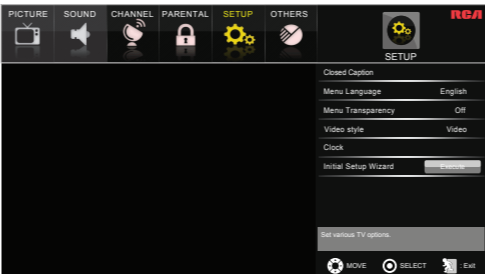
Use up/down arrow to select the source, press ENTER to lock or unlock it.

Clear Channel List

This option allows you to execute Clear Channel List function. This function will reset the whole TV system to factory default (not only reset OSD menu).

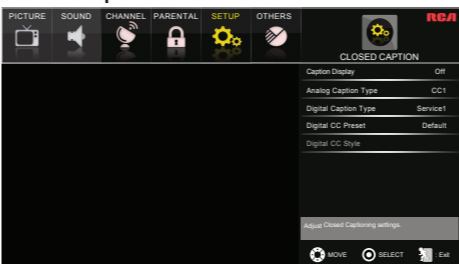
Setup Menu

The Setup Menu lets you config the TV with your preferences. Select SETUP from the Main Menu. Press ENTER/down button to proceed to SETUP menu.



Use up/down to choose the function you need, press ENTER or right arrow to adjust or enter a sub-menu. The sub-menu image and explanation are shown below.

Closed Caption



Caption Display

Press left/right arrow to select caption display on or off.

Analog Caption Type

Press left/right arrow to select analog closed caption type: CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3, TEXT4.

Digital Caption Type

Press left/right arrow to select digital closed caption type: Service1, Service2, Service3, Service4, Service5, Service6.

Digital CC Preset

Press left/right arrow to select digital closed caption preset: Default, Custom. Only in custom mode you can adjust the digital closed caption style.

Digital CC Style

Press left/right arrow to go to digital closed caption style sub-menu, to select the closed caption style.

Select the item you want to adjust in Digital CC Style menu with up/down arrows.

After changing, you can preview the caption style in the bottom.

Menu Language

To choose your menu language, press the left/right arrow until the language you need appears.

Available languages: English, French and Spanish.

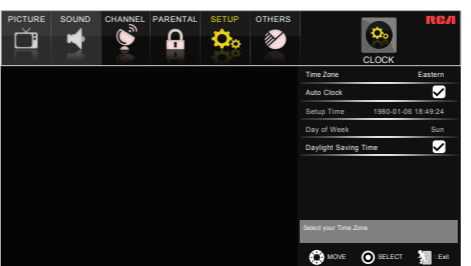
Menu Transparency

To choose your menu transparency mode, press the left/right arrow until the transparency you need appears: Off, Low, Medium, High.

Video Style

If you connect the HDMI/DVI port of PC to HDMI jack of the TV and the video signal is 1080p, please choose the compatible video style: Video, Graphic.

Clock



Time Zone

Select your time zone: Eastern, Central, Mountain, Pacific, Alaska, Hawaii, Samoa, Newfoundland, Atlantic.

Auto Clock

Select auto clock on/off. Auto clock helps you synchronize your TV time to standard time (from DTV signal).

Setup Time

Set your TV time manually (needs to turn off auto clock).

Day of Week

Displays what day it is (can't be adjusted, displays only).

Daylight Saving Time

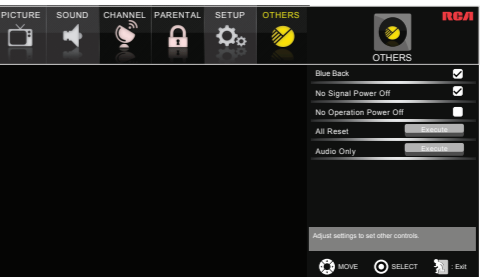
Set your daylight saving time on or off (needs to turn on auto clock).

Initial Setup Wizard

To set the initial settings. (see page 7)

Others Menu

The Others Menu lets you config the TV with your preferences in other features. Choose OTHERS from the Main Menu. Press ENTER/down button to proceed to SETUP menu.



Use up/down to choose the function you need, press ENTER or right arrow to adjust or enter a sub-menu. The sub-menu image and explanation are shown below.

Blue Back

Press ENTER button to select Blue Back on or off. If the Blue Back is turned on, the TV will display a blue background when there is no signal input.

No Signal Power Off

Press ENTER button to select "No Signal Power Off" on or off. If it is turned on, the TV will shut off after 10-minute no signal time. We suggest you turn on this function when Blue Back is turned on. It may hurt the LED LCD panel if blue screen is on for too long.

Note: In PC mode, the monitor standby and power off settings depend on the No Signal Off time.

No Operation Power Off

Press ENTER button to select "No Operation Power Off" on or off. If it is turned on, the TV will shut off after a 3-hour no operation time.

All Reset

Press ENTER button to execute reset to TV system. All the settings will be reset to factory default.

Audio Only

Press ENTER button to activate audio only mode. The TV will output only sound and the panel will be turned off. To restore normal playing, hold POWER button for three seconds.

Note: The OSD's appearance and color are referred to the actual appliance.

Frequently Asked Questions (FAQs)

What's the most convenient way to view High Definition (HD) video?

Connect an antenna to the TV Input jack to view free local digital channels. You may need to purchase an antenna. (See page 4 for more information about antenna setup). Visit www.antennaweb.org for assistance in deciding what type of antenna to use to receive the local digital channels available to you. After entering your location, this mapping program tells you which local analog and digital stations are available using a certain antenna.

Are there other ways to view High Definition (HD) video?

Besides using an antenna as mentioned above, you can also use a set-top box to receive digital video. Contact your cable service provider or satellite provider to purchase digital programming and have them connect the box to ensure you are viewing channels in the best way.

How do I tell an analog channel from a digital channel?

Press the DISPLAY button to display the Channel Bar. Look at the top right corner of the screen. An "A" is displayed for an analog channel. A "D" is displayed for a digital channel. Note: Since the analog TV in America has been cut off, we reserve analog TV function only for some unexpected use.

